

In the Specification:

D' On page 5, line 9, please delete "FIG. 8 is a table" and insert FIGs. 8A, 8B and 8C are tables--.

On page 6, line 6, after "VDALKTCACLLK" please insert --(SEQ ID NO:7)--.

On page 17, line 27, after "- 3' " please insert --(SEQ ID NO:8)--.

On page 17, line 28, after "- 3' " please insert --(SEQ ID NO:9)--.

On page 21, line 20, after "(VDALKTCACLLK)" please insert --(SEQ ID NO:7)--.

Please delete the sequence listing pages and insert the sequence listing pages enclosed herewith. Please renumber the following pages consecutively.

In the Claims:

D²
Sub F' 7
3. (Thrice Amended) An isolated DNA sequence comprising a nucleic acid sequence encoding a plant violaxanthin de-epoxidase protein joined to a heterologous promoter sequence, wherein said violaxanthin de-epoxidase protein has a molecular weight of approximately 43 kilodaltons, and wherein said violaxanthin de-epoxidase protein is recognized by a polyclonal antibody prepared against a peptide comprising the amino acid sequence VDALKTCACLLK (SEQ ID NO: 7).

4. (Reiterated) A method of modifying violaxanthin de-epoxidase levels in a host cell comprising growing a host cell having a construct comprising, in the order of transcription, the DNA sequence of Claim 3, and a transcriptional termination region, wherein said promoter sequence comprises a plant transcription initiation region.

5. (Reiterated) The method of Claim 4 wherein said construct further comprises a translation initiation region and a plastid translocation sequence.

9. (Reiterated) A method of modifying zeaxanthin levels in a plant comprising growing a plant having a construct comprising, in the order of transcription, the DNA sequence of Claim 3 and a transcriptional termination region, wherein said promoter sequence comprises a plant transcription initiation region.

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